KENWOOD

CASSETTE-RECEIVER

KRC-854RD
KRC-854RL
KRC-654RD
KRC-654RL

INSTRUCTION MANUAL

KENWOOD CORPORATION

©PRINTED IN JAPAN B64-0223-00(E)(MC)
93/12 11 10 9 8 7 6 5 4 3 2 1 92/12 11 10 9 8

SAFETY PRECAUTIONS

⚠ WARNING

Observe the following instructions to prevent fires and personal injury.

- To prevent the possibility of injury due to a shock from a collision causing the faceplate to fly off and strike a passenger, always make sure the faceplate is securely locked in place when attaching it to the unit.
- When the Power supply lead, Memory backup lead or Ground lead are extended, use a 0.75 mm² (AWG 18) or larger automotive grade cable which will withstand friction and heat to safe guard against fires occurring as a result of short-circuiting.
- Make sure that metal objects, particularly needles or coins do not get into the unit to prevent short-circuiting and fires.
- If smoke comes out of the unit or a strange smell is present, disconnect the unit immediately and consult your KENWOOD dealer. Continued use under these circumstances could cause a fire, as well as damage the unit permanently.

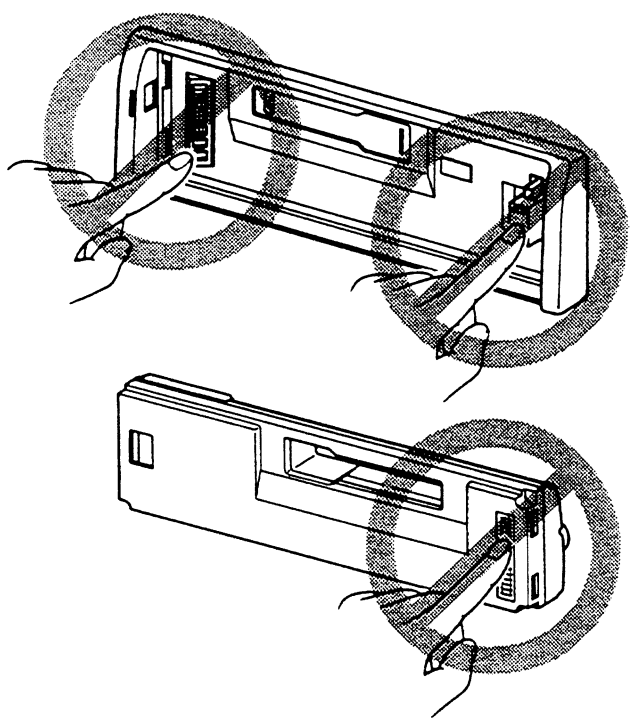
⚠ CAUTION

Heed the following instructions to keep the unit in proper working order.

- The unit should be connected to a 12 V DC power supply with a minus ground connection.
- Do not open enclosures, such as the front panel, top or bottom covers.
- Do not place the unit, where it will be exposed to direct sunlight or near heating devices.
- Do not expose the unit to water.
- Do not place the unit in areas of excessive dust, high humidity or on unstable surfaces.

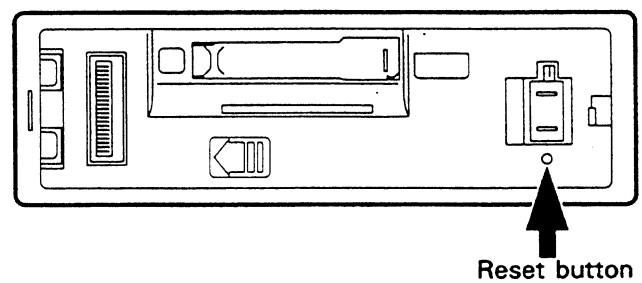
This unit is equipped with a theft deterrent faceplate. To prevent damage to the faceplate and case, it is important to observe the following precautions.

- The faceplate and case may become deformed or damaged if subjected to high temperatures. Do not place the faceplate or case in direct sunlight or near a source of heat.
- Do not expose the faceplate or case to water.
- The faceplate is a precision component and may become damaged if struck by a hard object, dropped onto a hard surface, stepped on, or subjected to any other type of shock. If a shock is applied while the faceplate is in the case, the case may open causing the faceplate to fly out and become damaged.
- Do not touch the faceplate terminal, faceplate mount terminal and magnet with your fingers.



NOTE

- If you have difficulty in installing the set in your car, please contact your KENWOOD dealer.
- If your set malfunctions or operates abnormally, first press the Reset button. If the malfunction persists, leave the set as it is and please call your KENWOOD dealer.



Notes on handling tape

- Before loading a cassette, check the tape for slack. If there is slack tape, remove it by using a pencil to turn one of the spools in the cassette shell.
  Playing a slack tape in the deck can cause the tape to become wound around the pinch roller. This is just one of many problems that can result.
- Do not expose a cassette tape to direct sunlight. Leaving a cassette tape in a place where the temperature and humidity are high can deform the cassette shell and the tape itself. Do not use such tapes in your unit as it may not be possible to eject them.
- A 120-minute tape is very thin and its use should be avoided as it can easily become twisted around the pinch roller.

CARE AND MAINTENANCE

CLEANING

1. Turn the power off, before cleaning the unit.
2. Wipe the front panel and other exterior surfaces of the unit with a soft dry cloth or a soft cloth lightly moistened with a neutral detergent.

⚠ CAUTION

- Do not use abrasive pads, thinner or benzene (or other volatile solvents) to clean the unit as this may remove indicator characters.

Head cleaning

Magnetic particles from the tape adhere to the head surface after a long period of use, resulting in noise and poor quality sound. Clean the head with a cleaning tape available at your KENWOOD dealer, following the direction in the head cleaner.

Faceplate terminal cleaning

If the faceplate terminal or faceplate mount terminal becomes dirty, wipe clean with a soft, dry cloth.

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SPECIAL FEATURES

■ Tuner section

- **Seek tuning** *(P. 10)*
  Automatically locates and receives stations.
- **Local Seek tuning** *(P. 12)*
  When this function is ON, the tuning operations in the Seek tuning and Auto memory functions stop only when stations with good reception condition are detected.
- **Monaural reception** *(P. 12)*
  This function is to be turned ON when the stereo broadcast reception condition degrades. This turns the sound to monaural, but the sound is easy to hear with reduced noise.
- **Preset station tuning** *(P. 18)*
  Registers the frequency of your favorite stations in memory to allow one-touch tuning.
- **Auto memory** *(P. 19)*
  Automatically stores the frequency of a station that provides the best reception quality in memory. Once a station is stored, it can be accessed through preset station tuning.
- **RDS (Radio Data System)** *(P. 20)*
  If RDS function is turned ON while you are taking a long-distance drive, a well-received RDS broadcasting station is automatically searched with the same broadcasting which is poorly received by the RDS broadcasting station. It also indicates the name of broadcasting station when you are receiving a RDS broadcasting station.
- **LNSS (Local Network Search System)** *(P. 21)*
  In many regions local stations exist and are operated in conjunction with the national network stations. When you wish to receive a national program from a local station and of course local programming you switch to LNSS. With the LNSS switch set to ON, the unit will search initially for the national broadcast station. If this signal is too weak then the unit will locate the stronger local station broadcasting the same program, or a localised version.
- **Traffic information** *(P. 22/27/35)*
  This function automatically receives traffic program stations while driving. When traffic information starts, the sound volume is adjusted to a preset level.
  When a tape or CD is being played in traffic informaiton mode and traffic information is detected, the input source automatically switches to the tuner and the traffic information is heard.
- **Clock indication** *(P. 24)*
  Some RDS stations send clock data so that you can get correct time if you receive a RDS station. Once you receive it, you can get the time with the built-in clock function.
  When you are in a foreign country, you can also adjust the time lag if you receive a local RDS station.

- **EON (Enhanced Other Network)**
  The EON is a new RDS service currently offered by the BBC of the U.K. as well as in some countries including the Netherlands and Sweden. The EON service is scheduled to be started in many other countries.
  An EON station transmits permanently the frequency data of RDS stations broadcasting traffic information, so this unit can store these frequency data automatically by simply tuning an EON station. The EON station also transmits the names of RDS stations broadcasting traffic information. When the Traffic Information function is turned ON, this unit tunes automatically one of the RDS stations in the traffic information station list stored by receiving the signal from the EON station. This makes it possible to listen to the traffic information of another station even this unit is tuned to an RDS station which does not transmit traffic information.

■ Tape deck section

- **Tape advance** ***(P. 25)***
  Allows you to go to the beginning of the track you are listening to or to search the next track.
- **Tuner call** ***(P. 26)***
  Allows you to listen to the tuner during tape rewind or fast forward.

SPECIAL FEATURES

— Function of KRC-854RD/854RL —

■ CD auto changer control section

- **CD auto changer control** *(P. 28~35)*
  This device allows you to control the CD auto changer.
- **Track repeat play** *(P. 30)*
  The same track is played repeatedly.
- **Track scan** *(P. 31)*
  Plays back short snatches of each track on a CD starting from the beginning. This is a convenient feature when searching for a track you would like to listen to.
- **Disc scan** *(P. 32)*
  Plays the first part of each disc in the CD magazine in sequence. This function is useful when you cannot remember the disc number of the CD you want to listen to or when you want to find out what CDs are loaded in the disc magazine.
- **Random play** *(P. 33)*
  Allows you to listen to the tracks of a compact disc in random order.
- **Magazine random play** *(P. 34)*
  Selects discs and tracks in a random order from all discs in the disc magazine in use.

■ Useful features

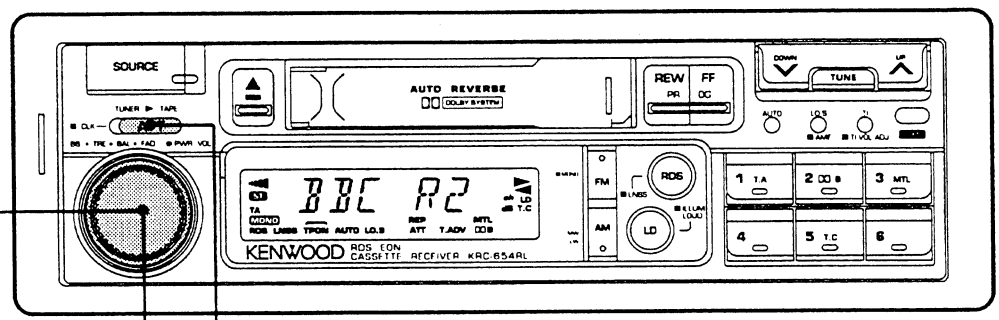
- **Attenuator volume** *(P. 9)*
  This function allows to decrease the volume instantaneously by a one-touch operation. The original volume can be resumed also by a one-touch operation, and the fade-in function is also provided to resume the original volume by gradual increase.
- **Selectable illumination** *(P. 36)*
  The color of the illumination can be switched between green and orange.
- **Theft deterrent faceplate** *(P. 37)*
  When you leave the car, you can easily take the faceplate with you. This helps you to prevent theft.
- **Automatic illumination**
  Keeping connected the Automatic illumination/Dimmer control lead, during the power is OFF, turning ON the car's light control the illumination light up.
- **Dimmer control**
  By connecting the Automatic illumination/Dimmer control lead, the illumination of this unit can be dimmed automatically when the car light control is turned ON.

POWER ON

Press the Power button.
➡ The power goes ON.

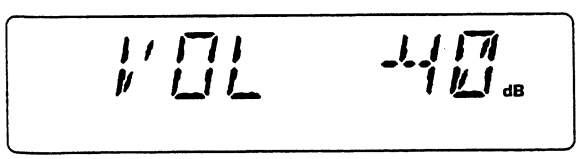
POWER OFF

Press the Power button for more than 1 second.
➡ The power goes OFF.



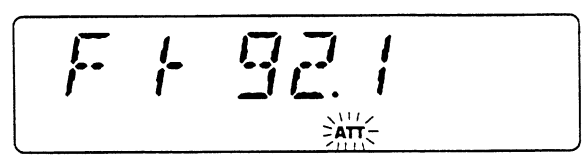
VOLUME CONTROL

Turning this knob clockwise, increases the volume, and turning counterclockwise, decreases.
➡ When the volume is adjusted, the volume level is shown on the display in dB units.



ATTENUATOR VOLUME

Press the Attenuator button.
➡ The Attenuator indicator blinks and the volume is decreased.
Press the Attenuator button again.
➡ The Attenuator indicator is extinguished and the volume returns to the original level by a gradual increase.



NOTE

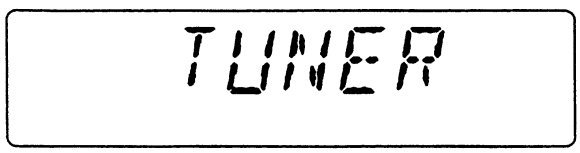
- Turning the power ON automatically turns this unit to the same mode before turning OFF the power.
- Perform the following operations with the power on.

SEEK TUNING

LISTENING TO THE TUNER

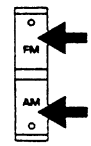
Press the Source button to initiate the Tuner mode.

➡ The Tuner mode is indicated by the TUNER display.
The tuner reception begins in 1 second after TUNER is displayed.



1

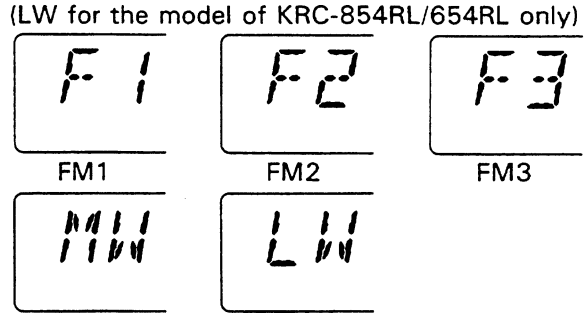
Select the desired Band.

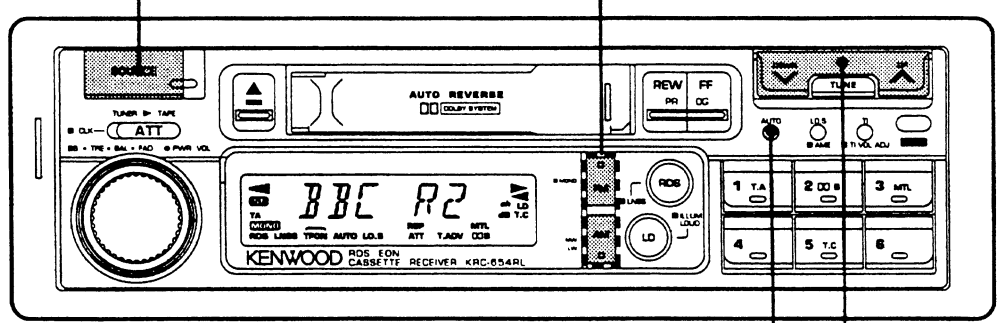


Press FM
(Stepping button of FM1, FM2 and FM3)

Press AM
(After tuning to a frequency of 281 kHz or less, LW band is automatically selected and after tuning to a frequency of 531 kHz or more, MW band is automatically selected.)

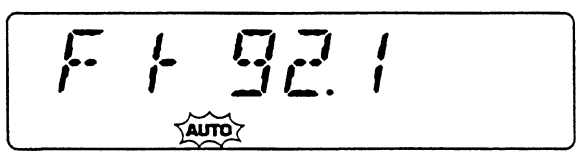
(LW for the model of KRC-854RL/654RL only)





2

Turn the Auto button ON.

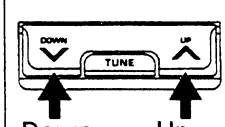


ON

3

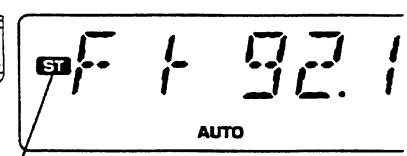
Press the Seek button.

➡ Seek starts and receives a broadcast station.



Down Seek

Up Seek



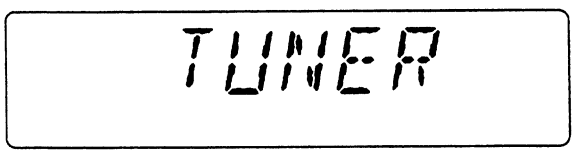
Indicates reception frequency.

Lit when FM stereo broadcast is received.

LISTENING TO THE TUNER

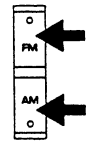
Press the Source button to initiate the Tuner mode.

➡ The Tuner mode is indicated by the TUNER display.
The tuner reception begins in 1 second after TUNER is displayed.



1

Select the desired Band.



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(Stepping button of FM1, FM2 and FM3)

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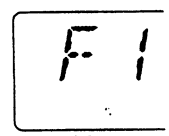
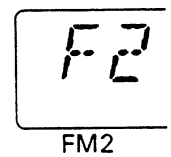
(After tuning to a frequency of 281 kHz or less, LW band is automatically selected and after tuning to a frequency of 531 kHz or more, MW band is automatically selected.)

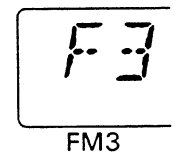
(LW for the model of KRC-854RL/654RL only)



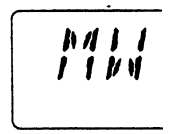
FM1



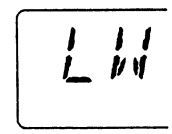
FM2



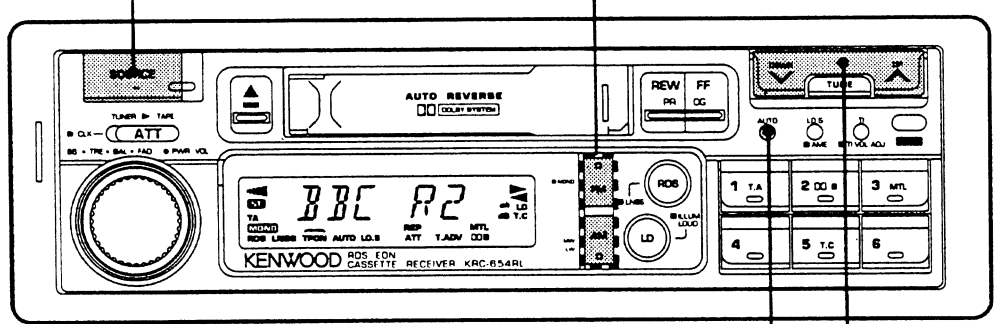
FM3



MW
(531 kHz ~ 1611 kHz)

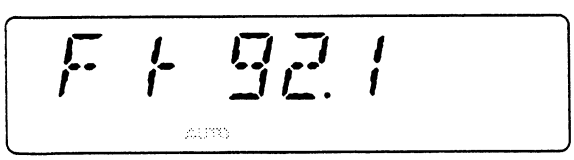


LW
(153 kHz ~ 281 kHz)



2

Turn the Auto button OFF.

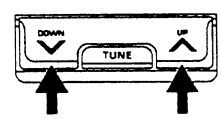


OFF

3

Press to select the desired frequency.

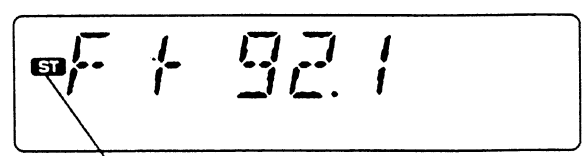
➡ Indicates the frequency being received.



For lower frequencies

For higher frequencies

(Continued pressing will change it continuously.)



Indicates reception frequency

Lit when FM stereo broadcast is received.

LOCAL SEEK TUNING AND MONAURAL RECEPTION

■ LOCAL SEEK TUNING

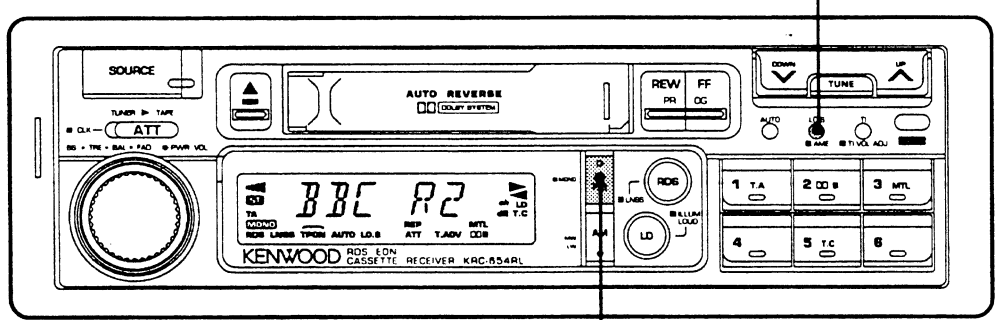
1

Briefly press the Local seek button.
➡ The Local seek tuning is turned ON and the Local seek indicator light up.

ON

TO RELEASE

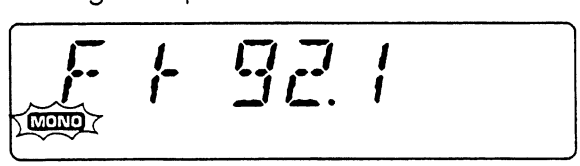
Briefly press the Local seek button.
➡ The Local seek tuning is turned OFF and the Local seek indicator goes off.



■ MONAURAL RECEPTION

1

Press the Monaural button for more than 1 second.
➡ Monaural reception is turned ON and the Monaural indicator lights up.



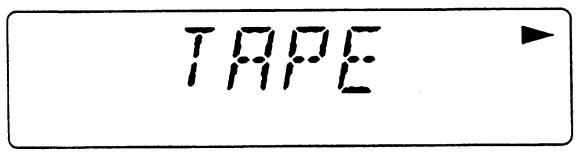
ON

TO RELEASE

Press the Monaural button for more than 1 second.
➡ Monaural reception is turned OFF and the Monaural indicator goes off.

TAPE PLAYBACK

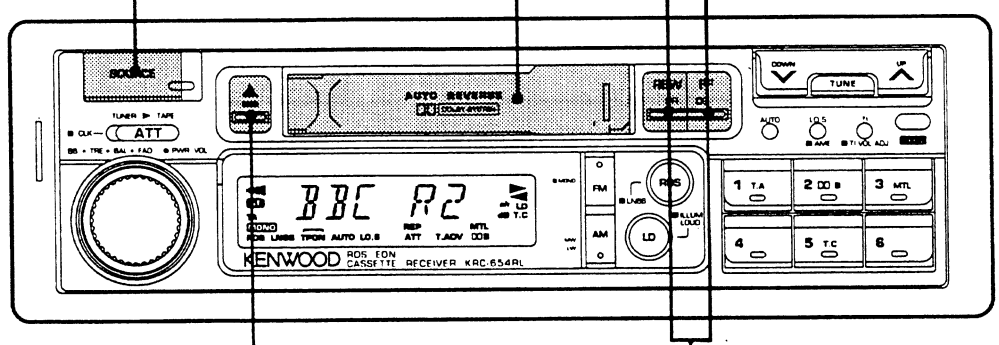
Insert a cassette tape with the tape-exposed side facing to the right.
If a cassette tape is already present in the unit, press the Source button to initiate the Tape mode.
➡ TAPE is displayed and the tape playback begins.



FAST FORWARD/REWIND

Operation	Press
Fast forward	FF
Rewind	REW

To release, softly press the reverse button.



STOP PLAYBACK

Press the Eject button.
➡ The cassette tape will come out.

PROGRAM

When you wish to listen to the reverse side, press these at the same time.
➡ The reverse side will be played back.

<Tape play side>
When inserted with the side A up.

Indicator	Tape play side
►	Side A
◄	Side B
►◄	Tape play is stopped. (A tape is loaded but the unit is in another mode.)

This will be reversed when inserted with the side B up.

NOTE

- If the Tape mode is initiated with the Source button, the tape playback begins in 1 second after TAPE is displayed.
- The Eject button should be pressed securely, just like pushing it in until the bottom.

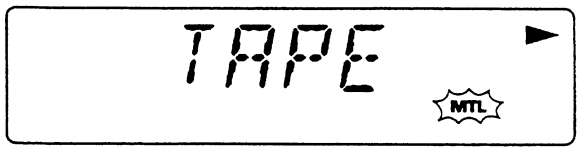
TAPE SELECTOR AND DOLBY NR

■ TAPE SELECTOR

LISTENING TO THE METAL/ CHROME TAPE

Press the Metal button to ON. (Each press alternates ON and OFF).

➡ The Metal indicator should light up.

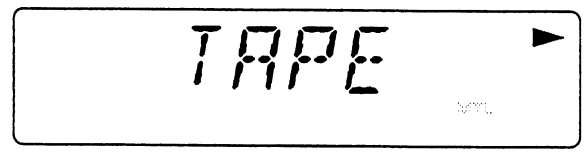


ON
(Metal/Chrome tape position)

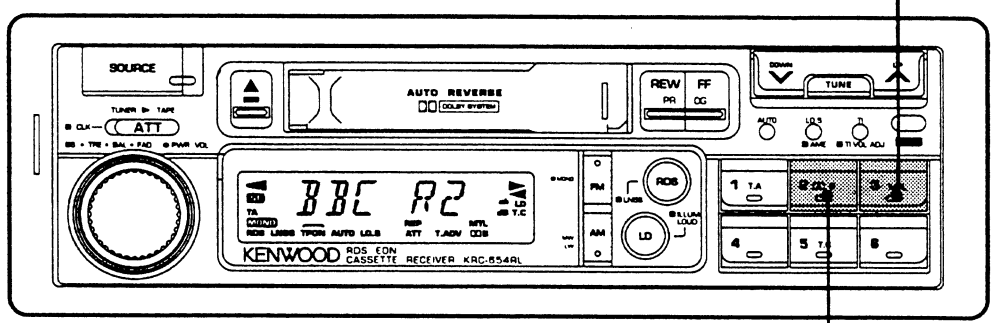
LISTENING TO THE NORMAL TAPE

Press the Metal button to OFF. (Each press alternates ON and OFF).

➡ The Metal indicator should goes off.



OFF
(Normal tape position)

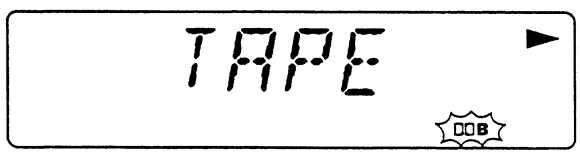


■ DOLBY NR

DOLBY B NR

Press the Dolby B NR button.

➡ The Dolby B NR is turned ON, and the Dolby B NR indicator lights up.



ON

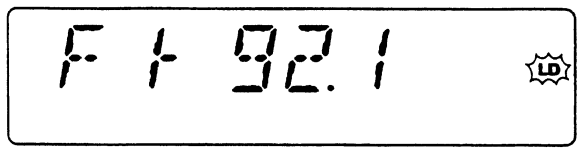
TO RELEASE

Press the Dolby B NR button.

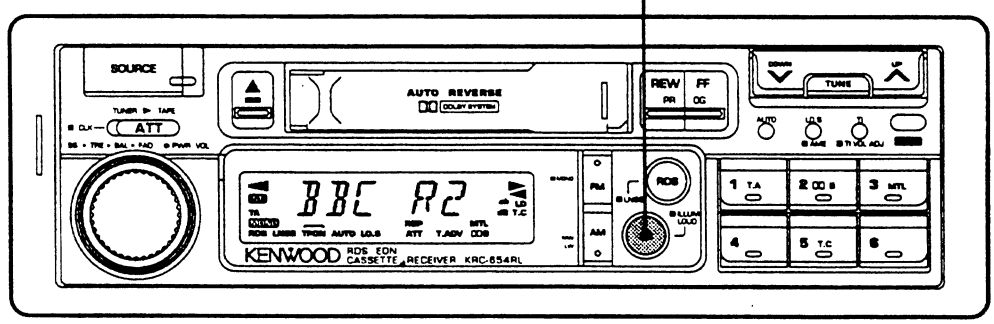
➡ The Dolby B NR is turned OFF, and the Dolby B NR indicator goes off.

LOUDNESS

When listening at low volume levels, briefly press this button will activate the loudness circuit which will compensate for the human ear's decreased response.



ON



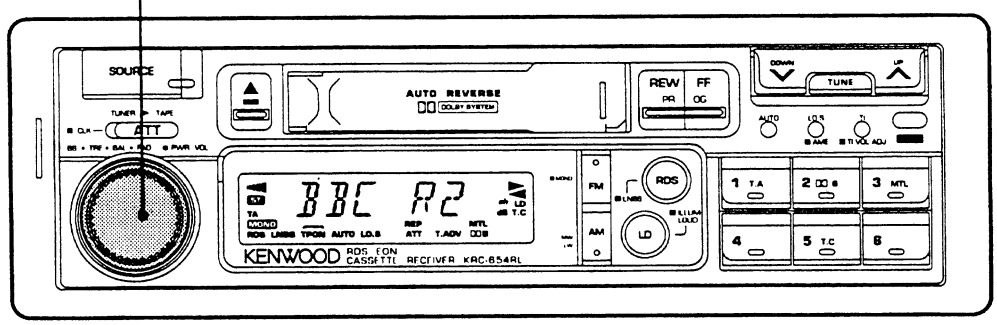
AUDIO CONTROL

1

Briefly press the Audio button will enable the audio control. Unless it is pressed, Volume and it becomes possible to adjust in the order of Bass, Treble, Balance and Fader and back to Volume if briefly press every time.

2

Adjustment will be made by the Audio controller respectively.
For operations and display, refer to the following table.

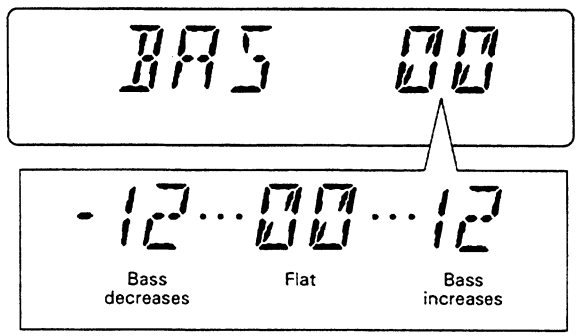
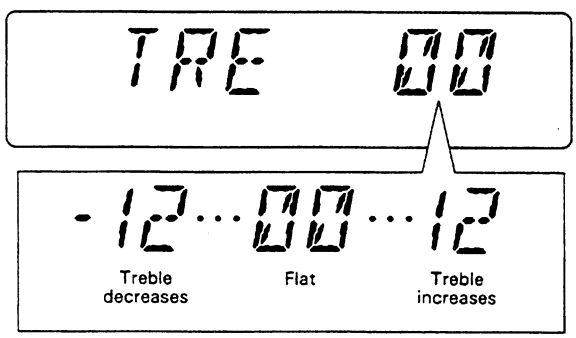
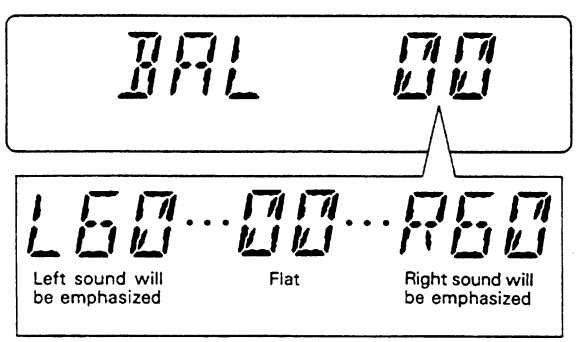
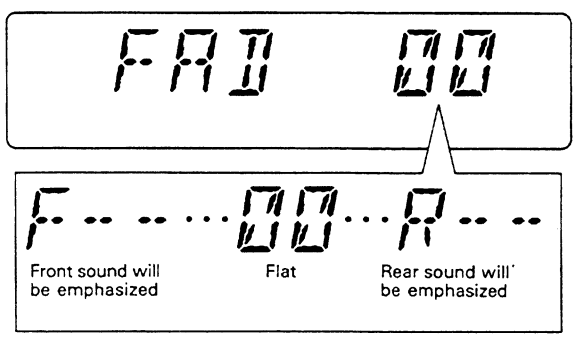


TO RELEASE

If operation is not made for about 5 seconds, volume adjustment will be ready to be set.

NOTE

- This unit can adjust the tone (Bass and Treble) independently for each mode (Tuner, Tape or CD auto changer).
  For example, the tone adjustment used in the Tuner mode is cleared when a tape starts to be played, so a different tone adjustment can be made in the Tape mode. If the unit is in the Tuner mode again, the tone adjusted previously in the Tuner mode will be recalled again.

Display	Operation of Audio controller	
	Turn counterclockwise	**Turn clockwise**
Adjust the Bass response 	Bass decreases.	Bass increases.
Adjust the Treble response 	Treble decreases.	Treble increases.
Adjust the Balance of the right and left channels 	The left sound will be emphasized.	The right sound will be emphasized.
Adjust the Balance of the front and rear channels 	The front sound will be emphasized.	The rear sound will be emphasized.

PRESET STATION TUNING

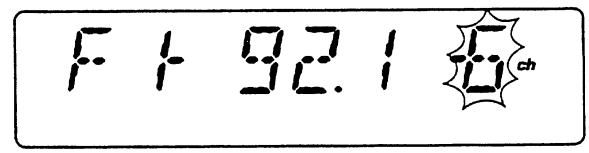
1

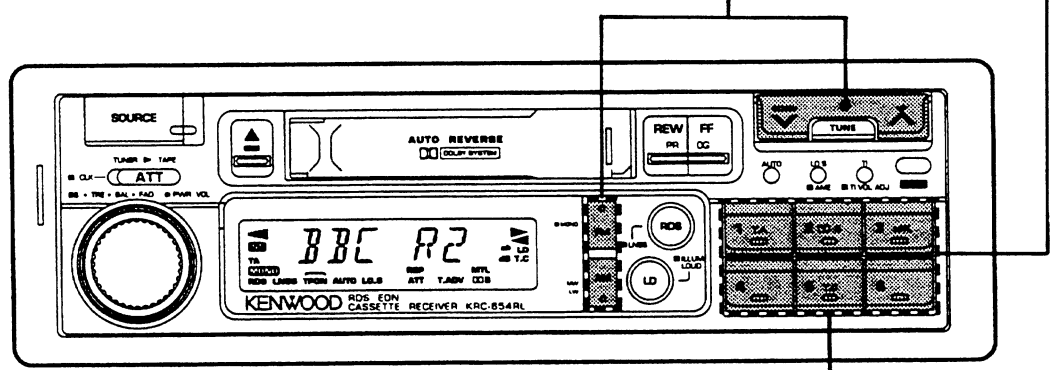
Selects the band and station you wish to preset.

2

Press the Preset station button you wish to be kept preset for more than 2 seconds.

➡ When it is pressed, the number of button pressed will be indicated.





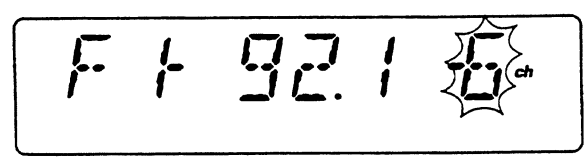
3

By repeating operation of 1 - 2 above, one station can be memorized in one button each at FM1, FM2, FM3 and one of either MW or LW.
(LW for the model of KRC-854RL/654RL only.)

4

If briefly press, the preset station can be called out.

➡ The number of button pressed will be indicated.

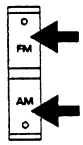


NOTE

- If preset is to be made anew on the switch already preset, what was preset before will be replaced with what is to be preset.

1

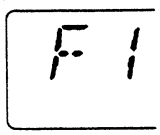
Select the desired Band.



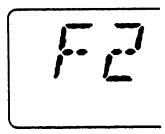
Press FM
(Stepping button of FM1, FM2 and FM3)

Press AM
(After tuning to a frequency of 281 kHz or less, LW band is automatically selected and after tuning to a frequency of 531 kHz or more, MW band is automatically selected.)

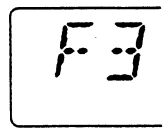
(LW for the model of KRC-854RL/654RL only)



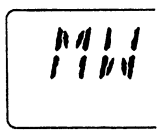
FM1



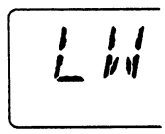
FM2



FM3



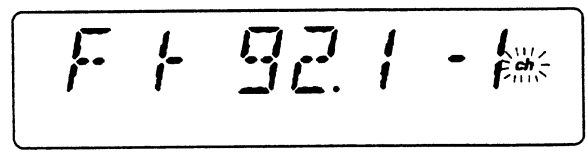
MW
(531 kHz ~ 1611 kHz)

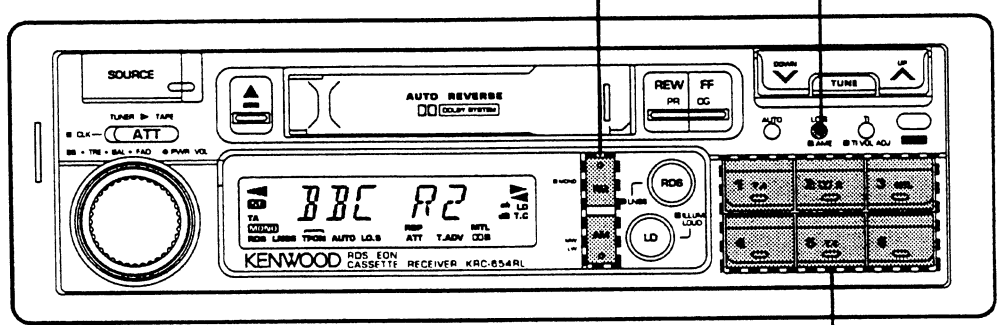


LW
(153 kHz ~ 281 kHz)

2

Press the Auto memory button for more than 2 seconds.
➡ The "ch" indicator blinks.



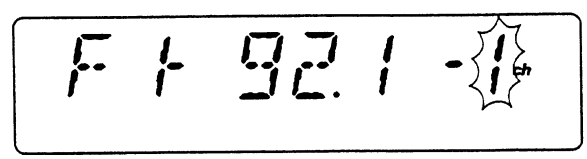


3

The selected band is automatically scanned and 6 stations are memorized. When 6 stations are memorized, the AUTO MEMORY function is automatically released.
➡ The station last stored in memory is received.

4

If briefly press, the preset station can be called out.
➡ The number of button pressed will be indicated.



NOTE

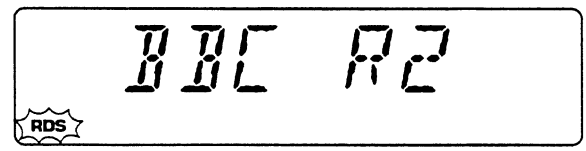
- By pressing the RDS button to ON before initiating the AUTO MEMORY operation, only the RDS stations can be memorised.

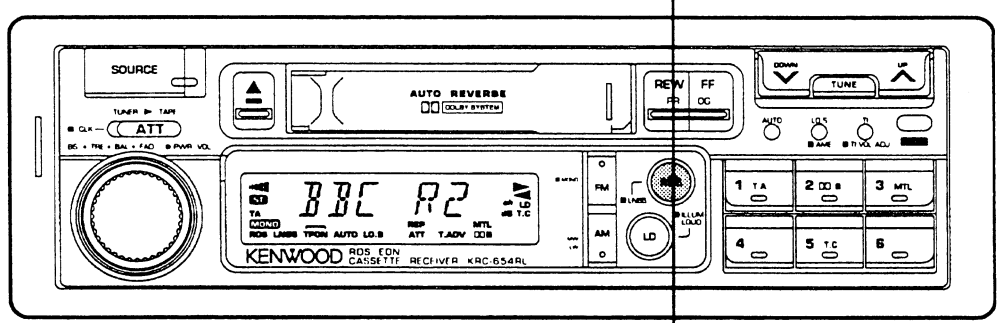
RDS (Radio Data System)

1

Briefly press the RDS button.

➡ The RDS Indicator is lit up, then the RDS function is turned ON. It indicates the name of broadcasting station when you are listening to a RDS station.





2

If the receiving condition of the broadcasting station you are listening to gets worse, the RDS station providing the same broadcasting will be searched.

TO RELEASE

If you wish to cancel the RDS function, briefly press the RDS button.

➡ The RDS indicator goes off, and then the RDS function will be turned OFF.

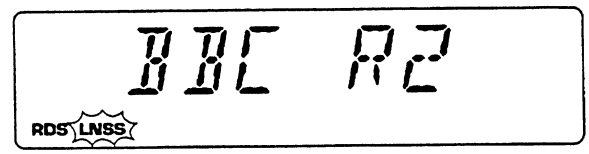
NOTE

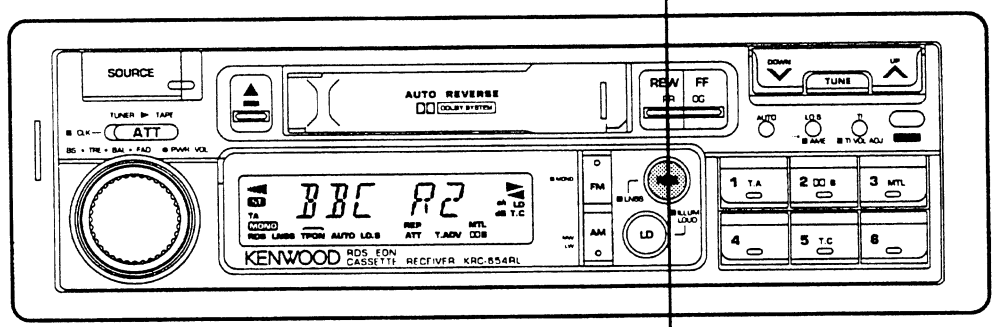
- If the data of the same station cannot be received even after the receiving condition got worse, it automatically seeks the same broadcasting. If it fails to find out the same station with a round seeking, it will go back to the original station and end the searching. (If you wish to turn off this seeking function, turn OFF the RDS.)
- When the RDS indicator remains blinking for a long time, tune in manually.

(Local Network Search System) LNSS

1

Press the LNSS button for more than 1 second.
➡ The LNSS indicator is lit up, then the LNSS function will be turned ON.





2

If the receiving condition of the RDS station you are listening to gets worse, the same station including local stations will be searched.

TO RELEASE

If you wish to cancel the LNSS function, press the LNSS button for more than 1 second.
➡ The LNSS indicator goes off, and then the LNSS function will be turned OFF.

NOTE

- When it has sought a local stations, a different broadcasting program may be caught.

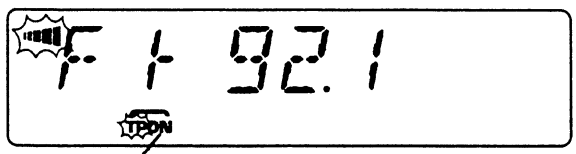
TRAFFIC INFORMATION

1

Press the TI (Traffic Information) button.

➡ indicator lights up.
When the receiving broadcast station is not the TP (Traffic Program) station, it will start to seek up to the TP station.

➡ TP indicator lights up.

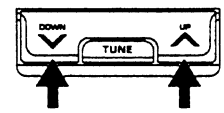


This indicator lights up while the TP station frequency data is being received from an EON station.

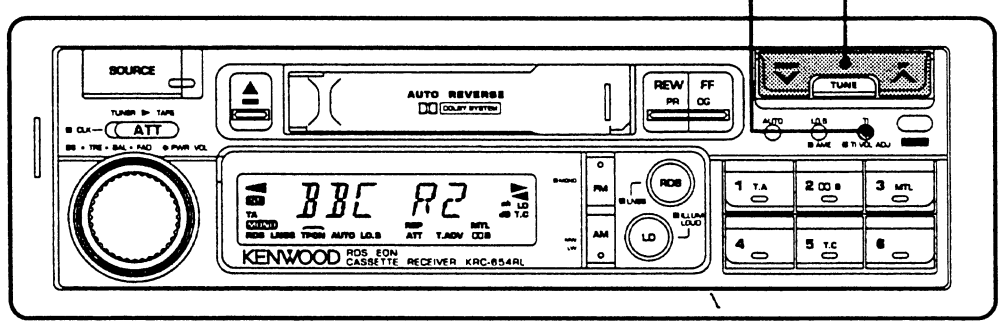
2

If the station received is not the station you wish to listen to, press the Seek button again.

➡ The seek operation resumes and continues until the next TP station is received.



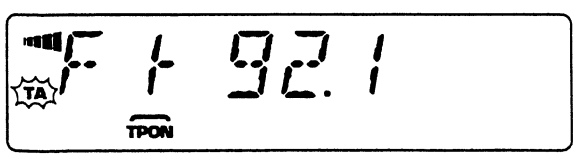
Down Seek Up Seek



3

When the traffic information starts, the volume will automatically be set to.

➡ TA indicator lights up.



NOTE

- The KRC-854RL/654RL only receives the TP broadcasting of the RDS station.
- Before performing step 2, press the Auto button ON.
- If the week signal condition of the TP station continues for more than 30 seconds, the seek up operation automatically starts to receive other TP station.
- Pressing the TI button in the MW/LW mode changes the reception mode to the FM mode. However, pressing the TI button again will not return the mode to the MW/LW mode.

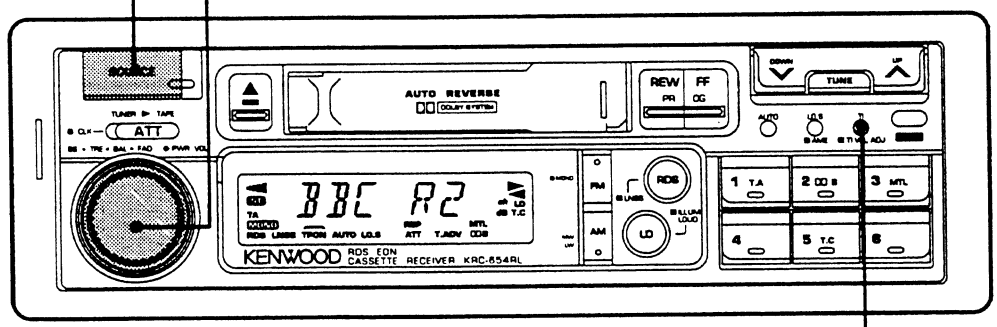
■ Setting the level for traffic information reception

1

Set the unit to Tuner mode.

2

Adjust the volume level for traffic information reception.



3

Press the TI volume adjust button for more than 2 second.

➡ The volume level set in step 2 is memorized.

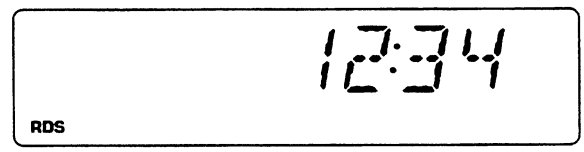
CLOCK INDICATION

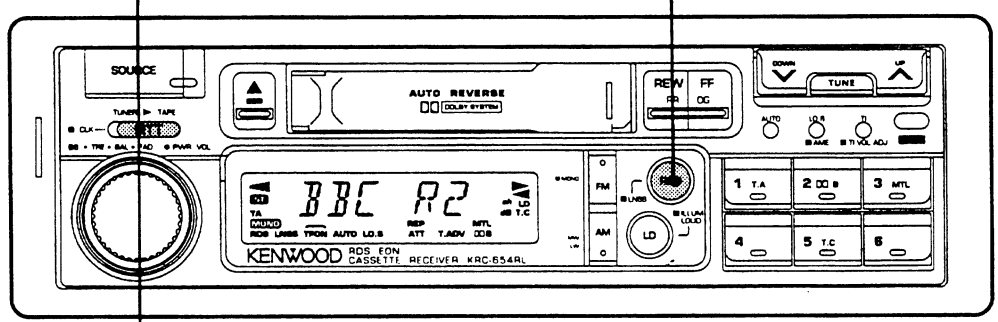
1

Tune an RDS station for 3 to 4 minutes.

2

Press the Clock button for more than 1 second.
➡ It indicates the time in 24 hours.





3

Once an RDS station has been received, you can display the time using the built-in clock function even when an RDS station is not being received.
Each time the clock button is press, the display changes as follows.

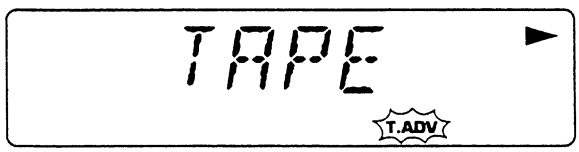
Mode	Indications
Tuner	Received frequency ⇔ Time
Tape	"TAPE" display ⇔ Time
CD-changer	Track number ⇔ Time

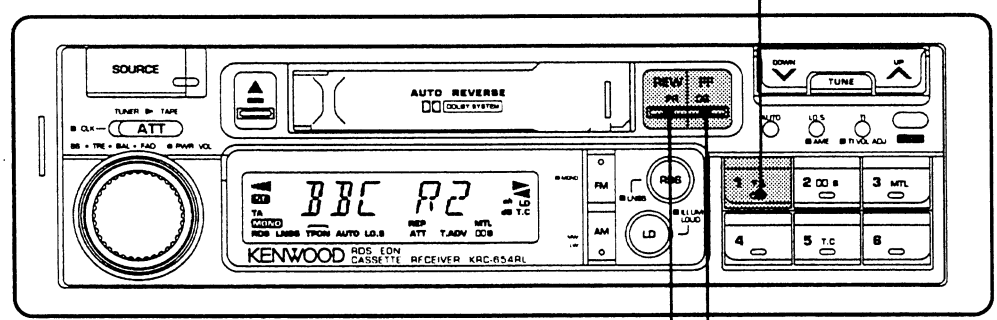
NOTE

- If "——:——" is indicated even when the CLOCK INDICATION is set at Step 2, the RDS station you are receiving may not be sending the clock data. In such a case, try to tune in to other RDS stations.

1

Press the Tape advance button.
➡ Tape advance indicator lights up.





2 To return to the beginning of current track

Press the REW button.
➡ Rewind starts and it comes to play back at the beginning of the music you are now listening to.

2 To go to the next track

Press the FF button.
➡ Fast forward starts and it comes to play back at the beginning of the next music.

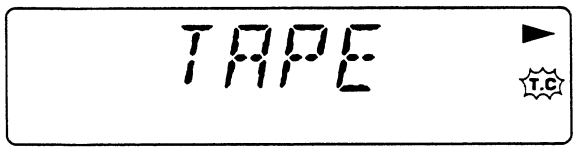
NOTE

■ Please note that in case of the following tapes, sometimes the TAPE ADVANCE does not function properly.
- When an interval between the music is less than 5 seconds.
- When a recorded portion of the low sound volume continues for more than 5 seconds.

TUNER CALL

1

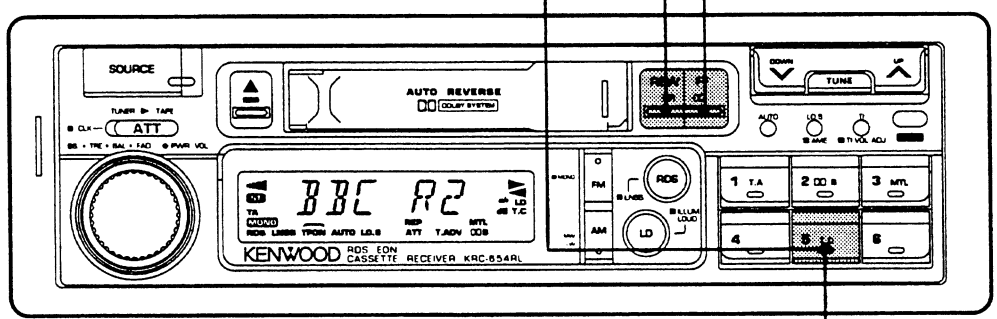
Press the Tuner call button.
➡ Tuner call indicator lights up.



ON

2

You can listen to the tuner while the tape is fast-forwarding or rewinding.



TO RELEASE

Press the Tuner call button again.

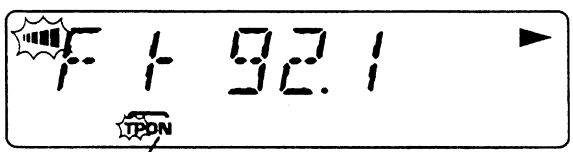
TRAFFIC INFORMATION during TAPE PLAY

1

Press the TI (Traffic Information) button.

➡ indicator lights up.
When the receiving broadcast station is not the TP (Traffic Program) station, it will start seek to up the TP station.

➡ TP indicator lights up.



This indicator light up while the TP station frequency data is being received from an EON station.

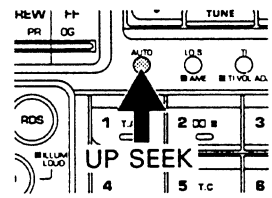
The frequency is displayed.

2

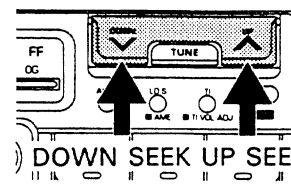
If you are not pleased with the TP station being received, press the TP seek button.

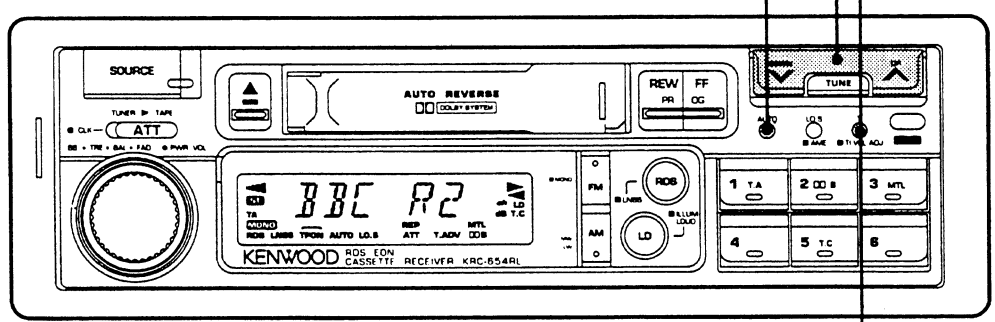
➡ It will receive another TP station.

〈 KRC-854RD 〉
〈 KRC-854RL 〉



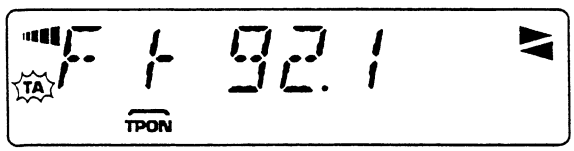
〈 KRC-654RD 〉
〈 KRC-654RL 〉





3

When traffic information starts, it automatically switches over to traffic information, (the tape play stops and TA indicator lights up) and when it is finished, it will return to the tape play.



4

When it switched over to traffic information, if you wish to continue listening to the tape, press the TI button to cancel the TRAFFIC INFORMATION function.

➡ It will return to the tape play.

NOTE

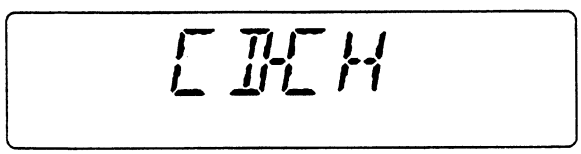
- The KRC-854RL/654RL only receives the TP broadcasting of the RDS station.

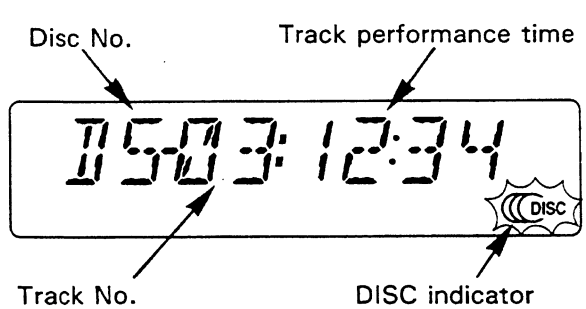
COMPACT DISC PLAY

■ Functions of the KRC-854RD/854RL

COMPACT DISC PLAY

Press the SOURCE button to initiate the CD auto changer mode.
➡ The CD auto changer mode is indicated by the CD-CH display. The DISC indicator lights up and CD play begins in 1 second after the CD-CH is displayed.

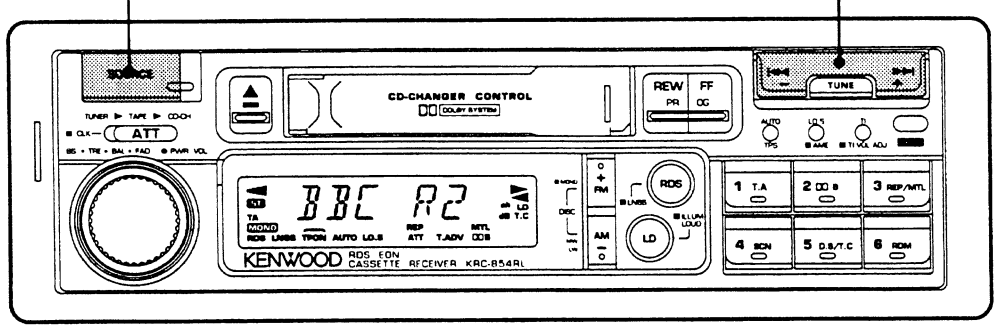




AHEAD/BACKWARD (at high speed)

Operation	Press
Ahead	▶▶| and hold.
Backward	|◀◀ and hold.

The Ahead/Backward play is released as soon as the finger is removed from the button.



NOTE

"LOAD" indication?
During the exchange of discs in the CD changer, "LOAD" is displayed.

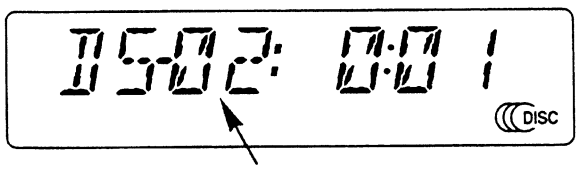
Disc No. "0"?
The Disc No. display of No. 10 disc is "0".

At the end of the disc
When disc reaches the end of the last selection of the next disc starts automatically. At the end of the last disc, the unit will go back to the beginning of the first disc, and the play will restart.

■ Functions of the KRC-854RD/854RL

BACKWARD TRACK SEARCH

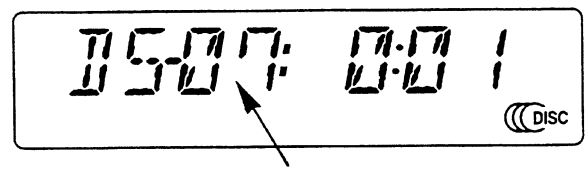
Briefly press the ⏮ button successively until the Track No. display shows the desired track No.



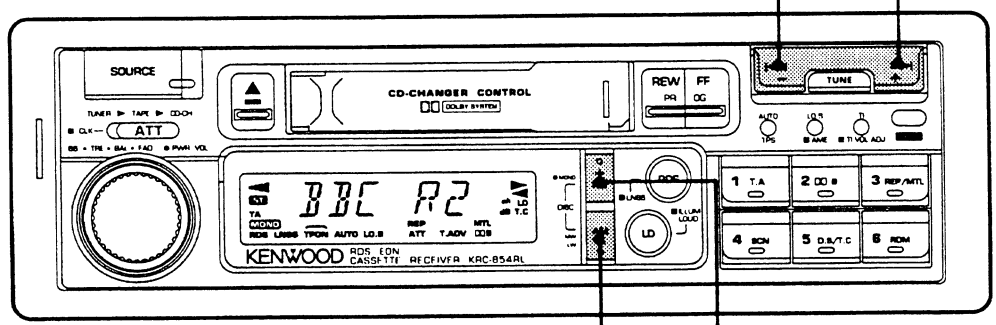
Track No. display

FORWARD TRACK SEARCH

Briefly press the ⏭ button successively until the Track No. display shows the desired track No.

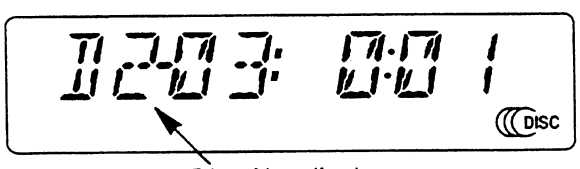


Track No. display



BACKWARD DISC SEARCH

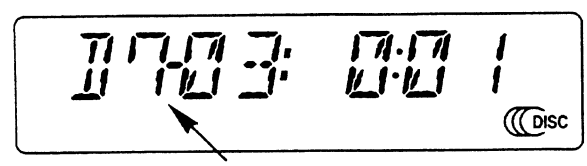
Press the Disc – button successively until the Disc No. display shows the desired disc No.



Disc No. display

FORWARD DISC SEARCH

Press the Disc + button successively until the Disc No. display shows the desired disc No.



Disc No. display

NOTE

- If BACKWARD TRACK SEARCH is initiated while track No. 1 is being played, the play position always returns to the beginning of track No. 1 and other tracks cannot be searched.
- If FORWARD TRACK SEARCH is initiated while the last track of a disc is being played, no operation takes place.

TRACK REPEAT

■ Functions of the KRC-854RD/854RL

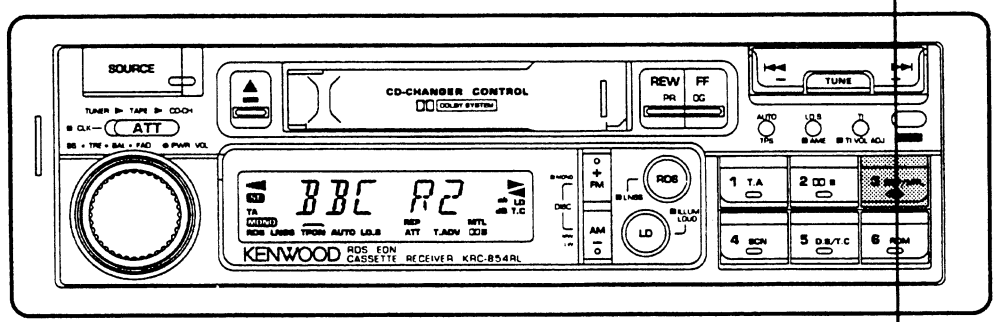
1

Press the Track repeat button.
➡ Repeat indicator lights up.

ON

2

The track being played is played repeatedly.



TO RELEASE

Press the Track repeat button again.

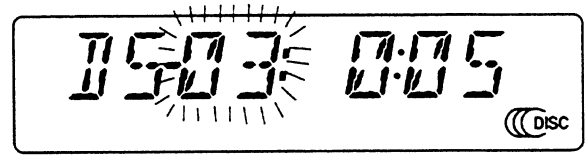
■ Functions of the KRC-854RD/854RL

1

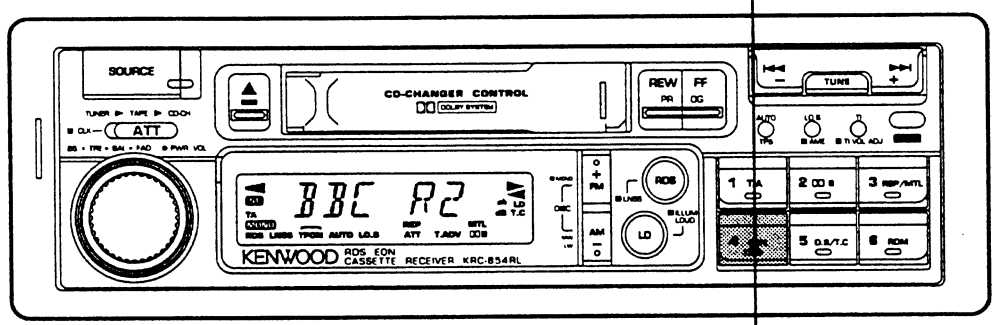
Press the Track scan button.
➡ This initiates TRACK SCAN.

2

The first 10 seconds of all tracks in the CDs are played in sequence.
➡ The track No. display blinks.



ON



3

When the beginning of a desired track starts to be played, press the Track scan button.
➡ TRACK SCAN is released and normal CD play starts.

NOTE

- Track scan plays the beginnings of all tracks in a disc repeatedly.

DISC SCAN

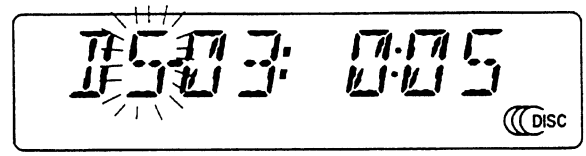
■ Functions of the KRC-854RD/854RL

1

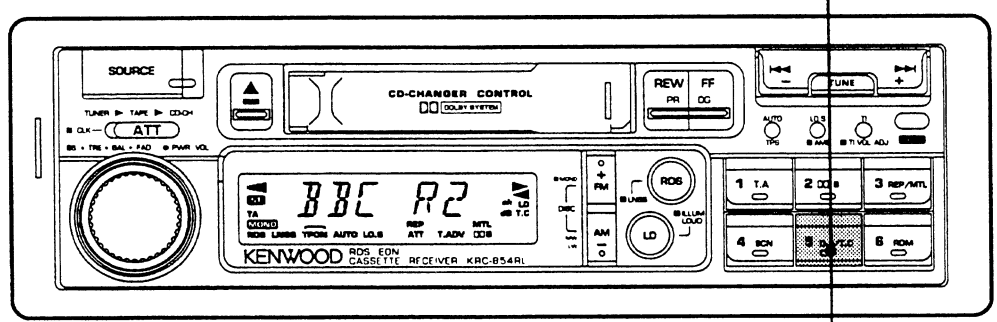
Press the Disc scan button.
➡ This initiates DISC SCAN.

2

The first 10 seconds of each track of the disc will be played one after another.
➡ While the disc is being scanned, the disc number indicator blinks.



ON



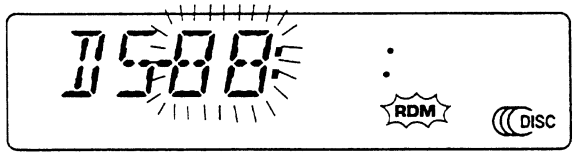
3

Press Disc scan button for the disc required.
➡ DISC SCAN will be canceled and operation will return to the normal Disc play mode.

■ Functions of the KRC-854RD/854RL

1

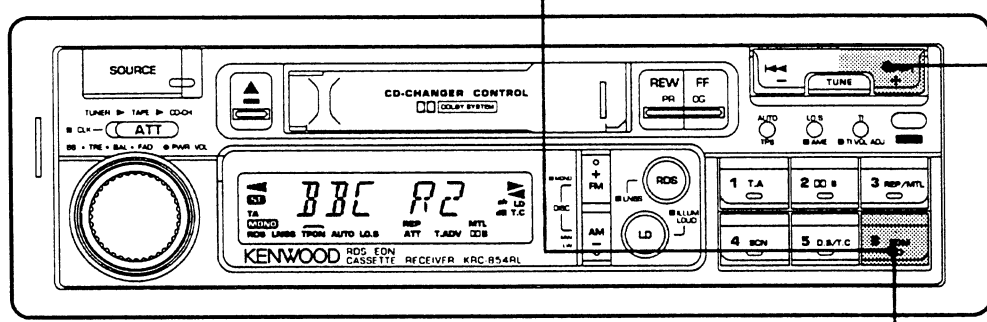
Briefly press the Random button.
➡ The Random indicator lights up, and selection of a track from the CD being played begins.



During Random Search

2

When a track is selected, the CD play begins.



3 TO SELECT ANOTHER TRACK

If you do not like the track selected, press the ▶▶| button.
➡ The next track selection starts.

TO RELEASE

Press the Random button.
➡ The Random play function is turned OFF, and normal CD play starts.

NOTE

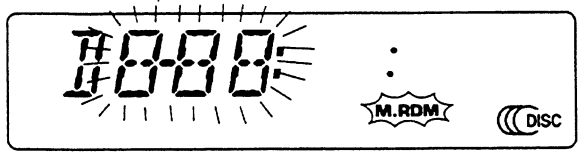
- When all of the tracks in that CD have been played, the next CD is played in a random order.

MAGAZINE RANDOM PLAY

■ Functions of the KRC-854RD/854RL

1

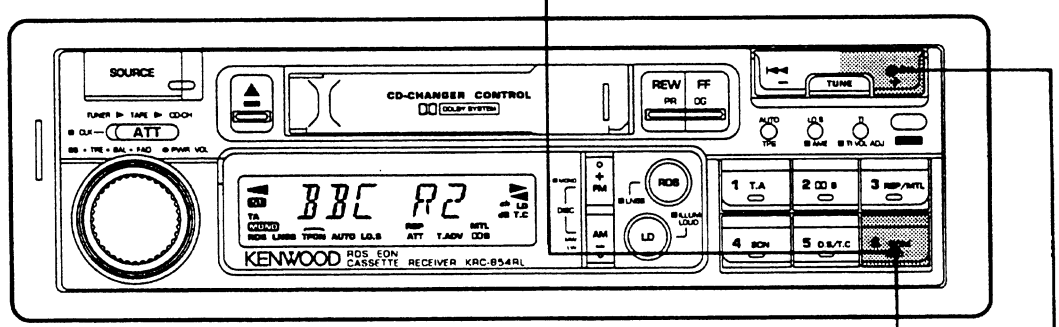
Press the Magazine random button for more than 1 second.
➡ The Magazine Random indicator lights up, and selection of a track from the discs in the magazine being used begins. The disc and track numbers vary in sequence during disc/track selection.



During magazine random search

2

When a disc and track is selected, the CD play begins.



3 TO SELECT ANOTHER TRACK

If you do not like the track selected, press the ▶▶| button.
➡ The next disc/track selection starts.

TO RELEASE

Press the Magazine random button.
➡ The Magazine Random play function is turned OFF, and normal CD play starts.

NOTE

- This function is not available if you use the KDC-C100/C200/C300/C400/C301/C401 as the CD auto changer.

TRAFFIC INFORMATION during DISC PLAY

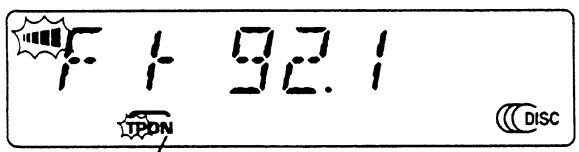
■ Fufnctions of the KRC-854RD/854RL

1

Press the TI (Traffic Information) button.

➡ indicator lights up.
When the receiving broadcast station is not the TP (Traffic Program) station, it will start seek to up the TP station.

➡ TP indicator lights up.



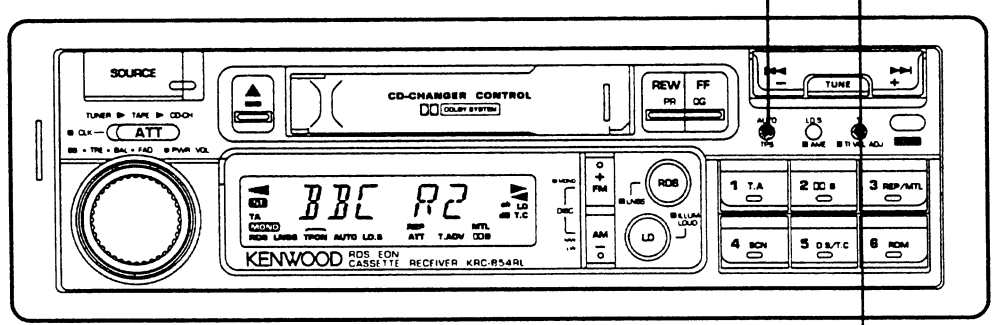
This indicator light up while the TP station frequency data is being received from an EON station.

The frequency is displayed.

2

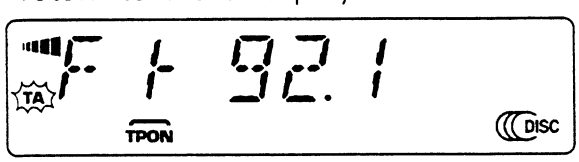
If you are not pleased with the TP station being received, press the TP seek button.

➡ It will receive another TP station.



3

When traffic information starts, it automatically switches over to traffic information, (the disc play stops and TA indicator lights up) and when it is finished, it will return to the disc play.



4

When it switched over to traffic information, if you wish to continue listening to the disc, press the TI button to cancel the TRAFFIC INFORMATION function.

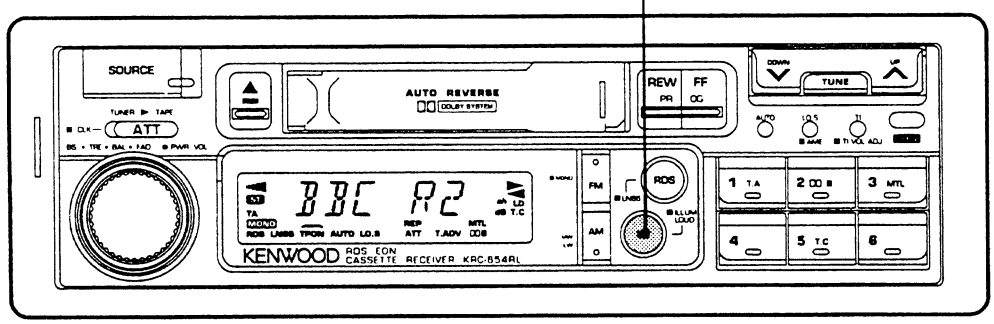
➡ It will return to the disc play.

NOTE

- The KRC-854RL only receives the TP broadcasting of the RDS station.

SELECTABLE ILLUMINATION

Every time the Illumination button is pressed for more than 1 second, it will switch over between the colors of green and orange.

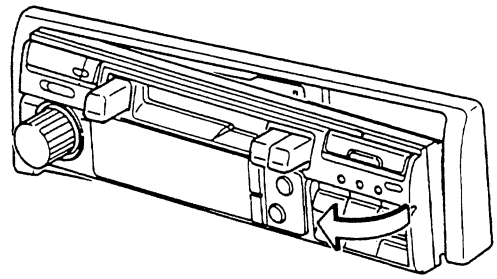


THEFT DETERRENT FACEPLATE

■ Remove the faceplate

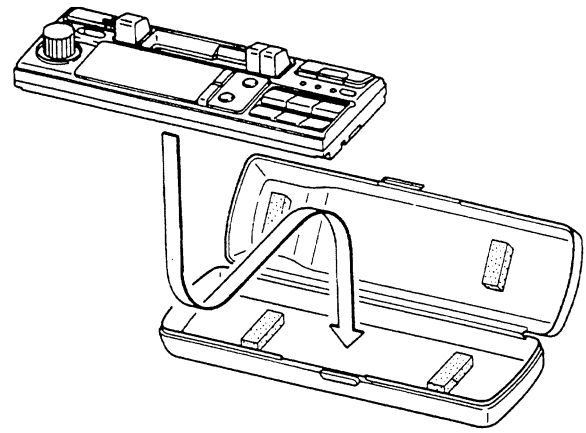
1

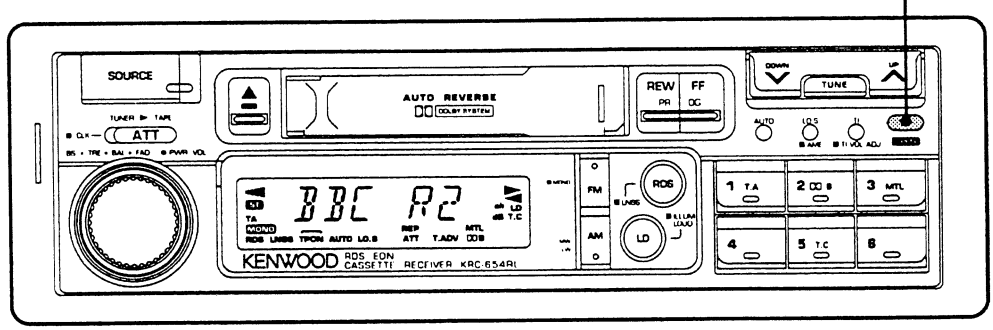
Press the Open button to release the faceplate lock, then pull off the faceplate.



2

Place the faceplate in its storage case with the button side facing up.

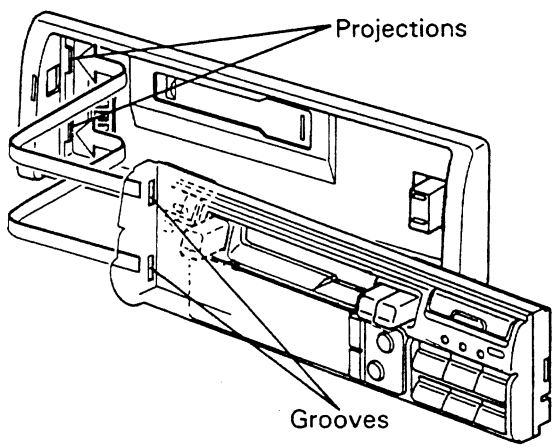




■ Insert the faceplate

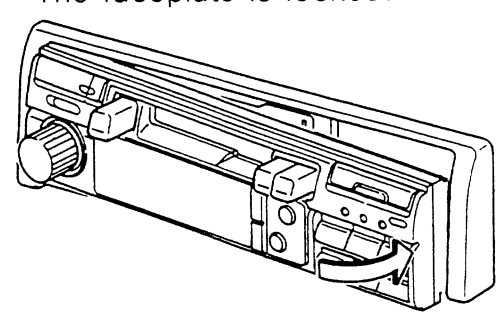
1

Align the projections on the faceplate mount with grooves on the left side.

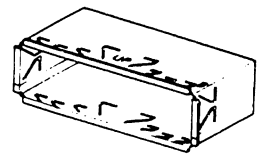
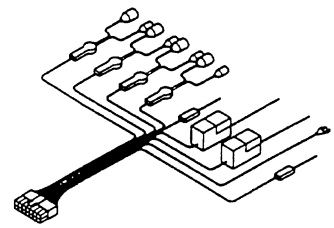
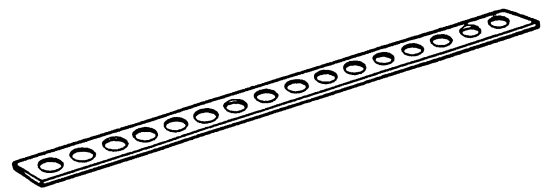
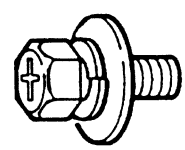
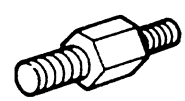
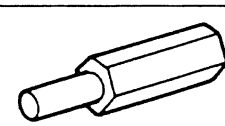
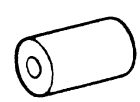


2

Press the right side of the faceplate until it locks into place.
➡ The faceplate is locked.



ACCESSORIES

Part name	External View	Number of units
Mounting sleeve		1
Power connection cord		1
Metal mounting strap		1
Removal bracket		1
Washer assembly screw (M4 × 8)		1
Attachment screw		1
Joint nut		1
Rubber bush		1

PROCEDURE

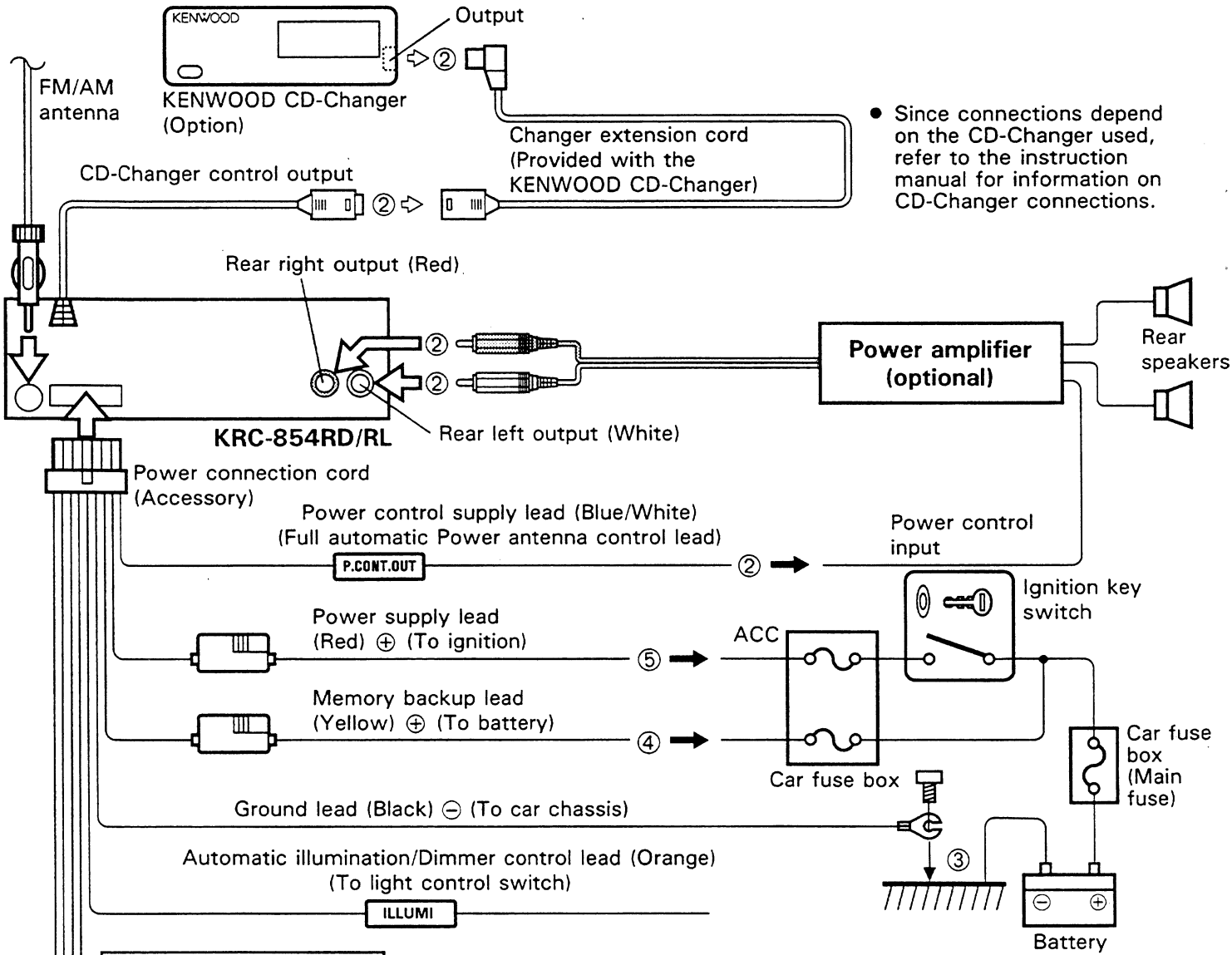
① Before installation and wiring, remove the ⊖ terminal of the battery to prevent short-circuiting.
② Connect the input and output cords of the system. (☞ P. 40/41)
③ Connect the Ground lead (Black) to the metal chassis of the car. (☞ P. 40/41)
④ Connect the Memory backup lead (Yellow). (☞ P. 40/41)
⑤ Connect the Power supply lead (Red). (☞ P. 40/41)
⑥ Install the unit in the car. (☞ P. 42)
⑦ Connect the negative ⊖ terminal of the disconnected battery.

⚠ CAUTION

- A short-circuit may be the cause of blown fuse. A short-circuit is a serious problem that can lead to a fire. Check the wiring and rewire if any wires are short-circuited. After this (or if no short-circuits are found), replace the fuse with one having the same capacity (see indication on fuse box).
- Make sure that unconnected wires and connectors are not in contact with the live chassis (ground) of the car to prevent noise and current from entering the system which can cause it to malfunction or damage the unit. For the same reason, caps on connectors that are not used should not be removed.
- This product is equipped with a BTL (Balanced Transformer Less) system to provide more power. In a BTL system, different speaker terminals must not be connected or shared as this will cause distortion or damage to the speakers. The output terminals of two or more speakers must under no circumstances be joined or connected to the chassis (ground) of the car.

CONNECTIONS (KRC-854RD/854RL)

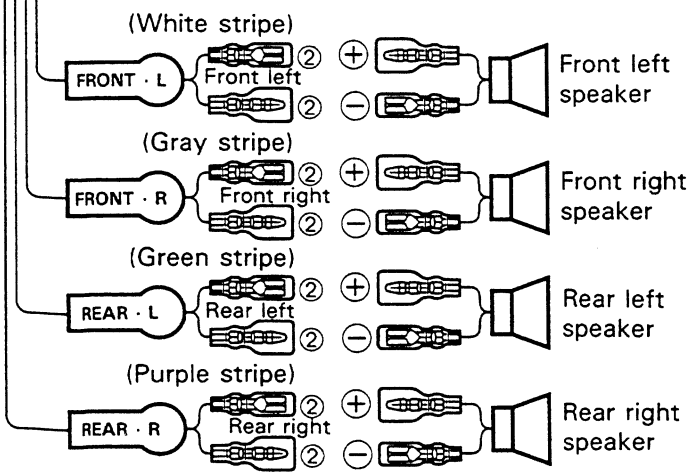
* The circled numbers in the drawing are the "PROCEDURE" numbers listed in page 39.



- Since connections depend on the CD-Changer used, refer to the instruction manual for information on CD-Changer connections.

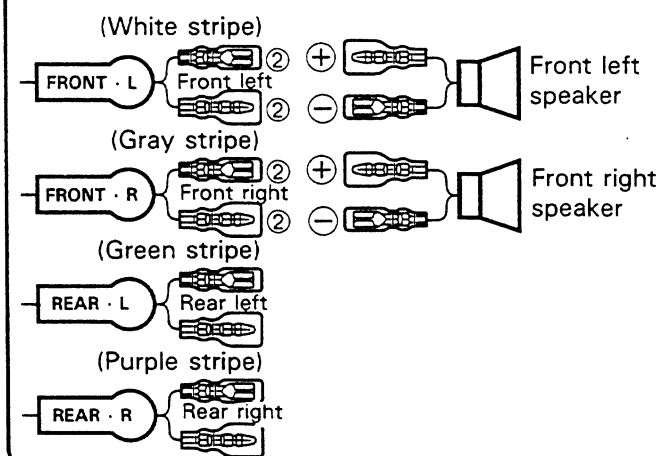
⚠WARNING

- To prevent fires from occurring when the Power supply lead (Red) and Memory Backup lead (Yellow) are short-circuited by accidentally coming into contact with the chassis (ground), connect the power supply after fuse box connections have been made.



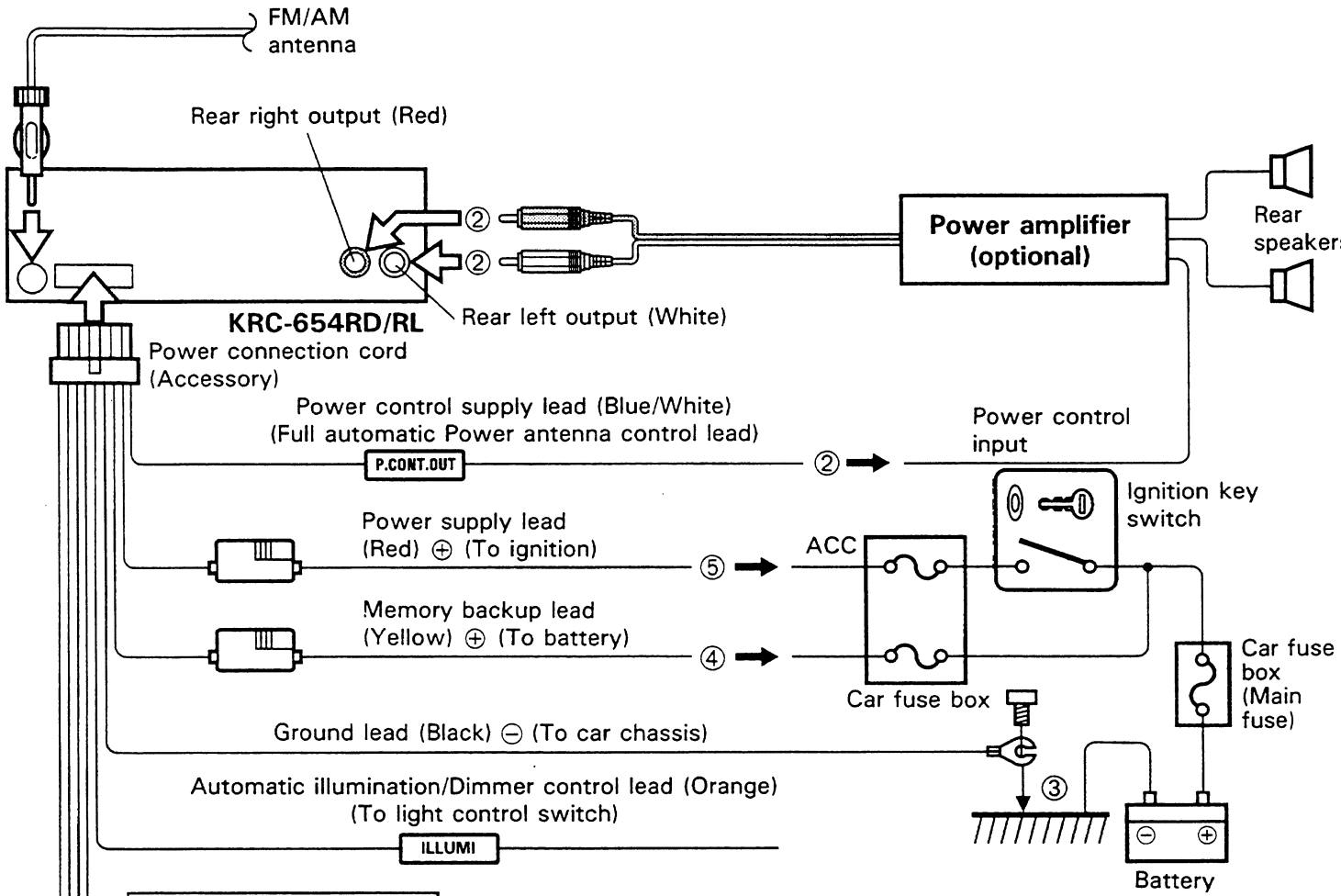
⚠CAUTION

- When two speakers are connected to the system, connect them as shown below. Any other kind of connection will cause sound distortion and damage to the speakers.



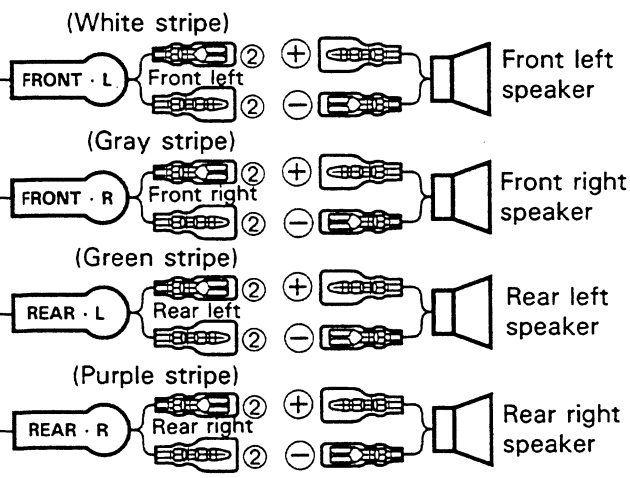
(KRC-654RD/654RL) CONNECTIONS

* The circled numbers in the drawing are the "PROCEDURE" numbers listed in page 39.



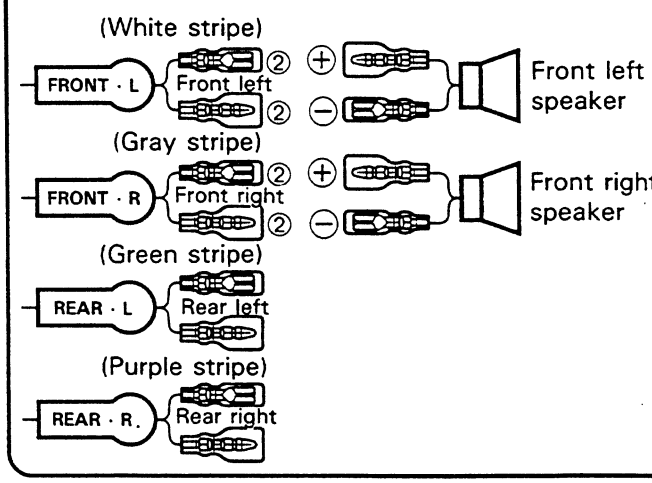
⚠WARNING

- To prevent fires from occurring when the Power supply lead (Red) and Memory Backup lead (Yellow) are short-circuited by accidentally coming into contact with the chassis (ground), connect the power supply after fuse box connections have been made.



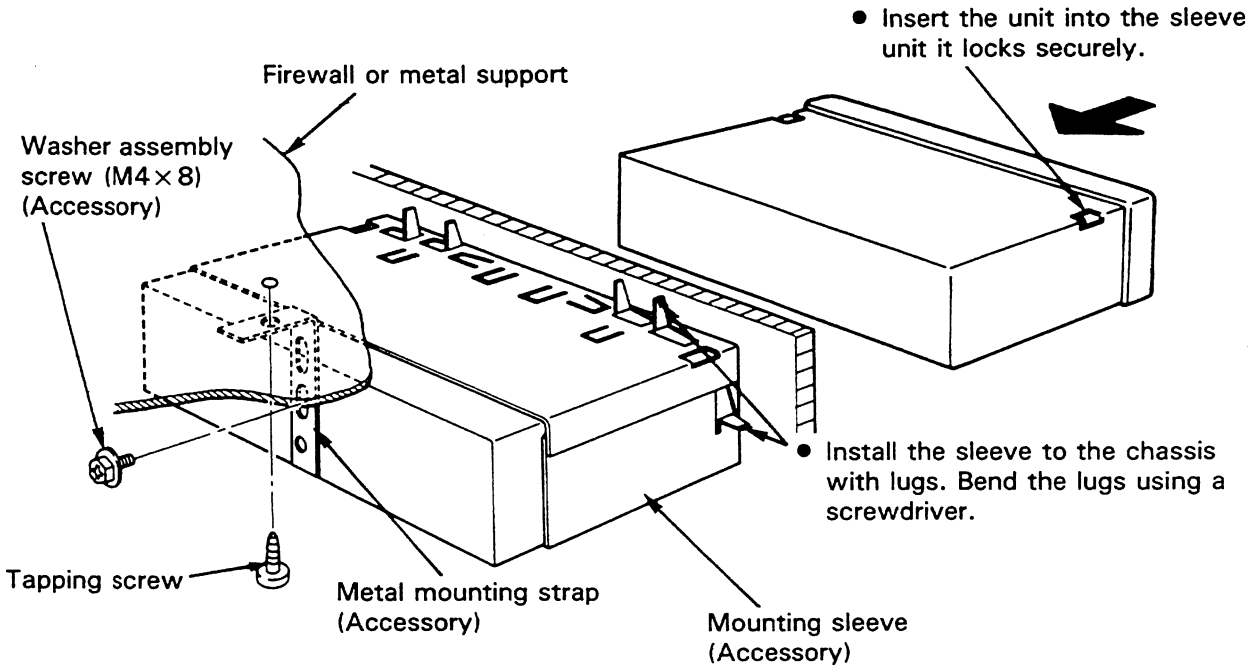
⚠CAUTION

- When two speakers are connected to the system, connect them as shown below. Any other kind of connection will cause sound distortion and damage to the speakers.

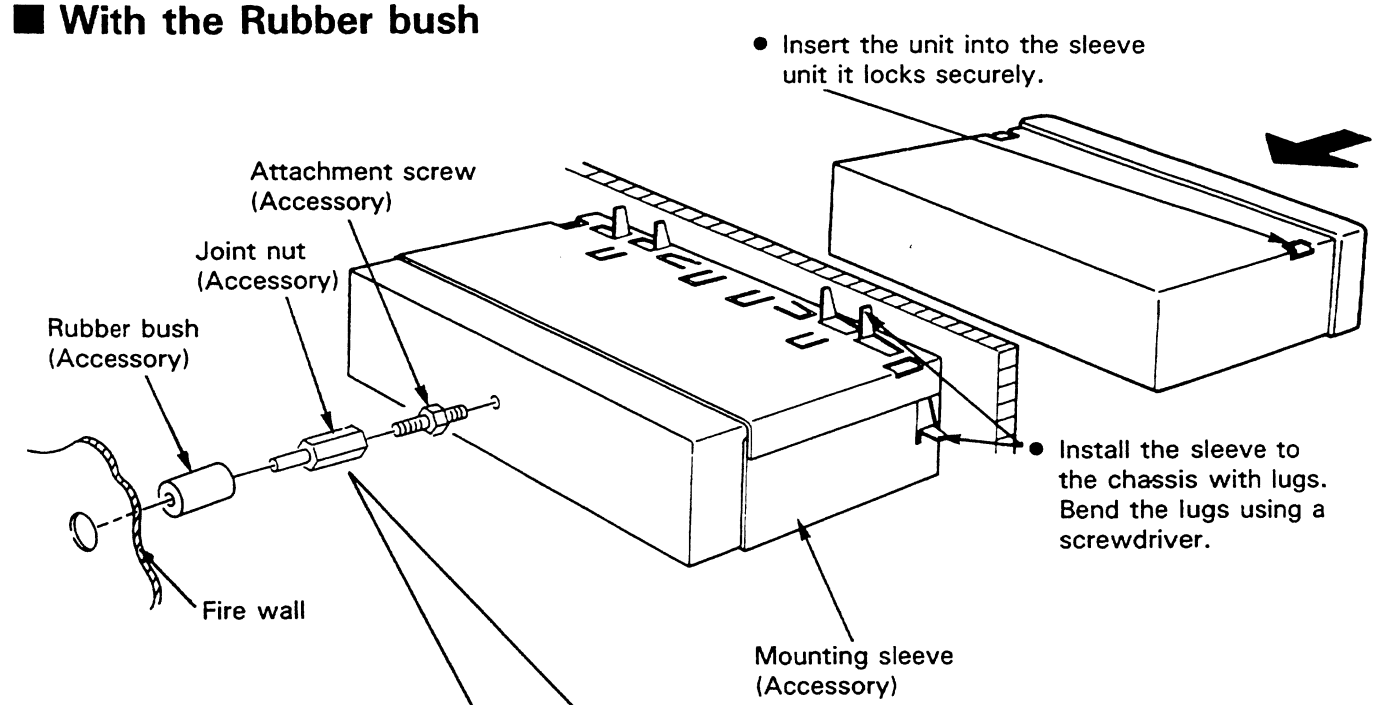


INSTALLATION

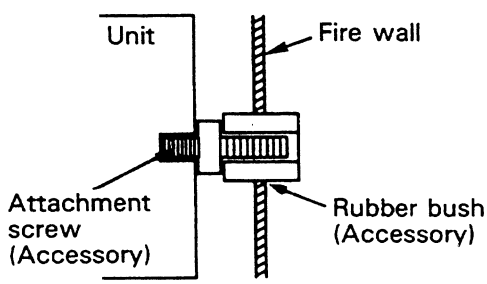
■ With the Metal mounting strap


• Insert the unit into the sleeve unit it locks securely.
Firewall or metal support
Washer assembly screw (M4×8) (Accessory)
• Install the sleeve to the chassis with lugs. Bend the lugs using a screwdriver.
Tapping screw
Metal mounting strap (Accessory)
Mounting sleeve (Accessory)

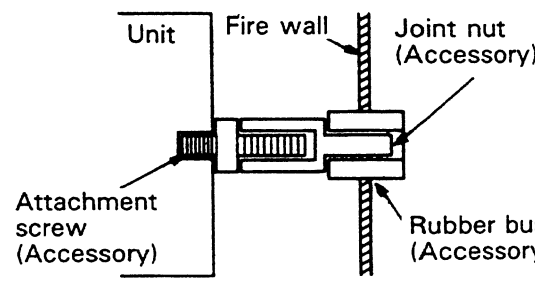
■ With the Rubber bush


• Insert the unit into the sleeve unit it locks securely.
Attachment screw (Accessory)
Joint nut (Accessory)
Rubber bush (Accessory)
• Install the sleeve to the chassis with lugs. Bend the lugs using a screwdriver.
Fire wall
Mounting sleeve (Accessory)

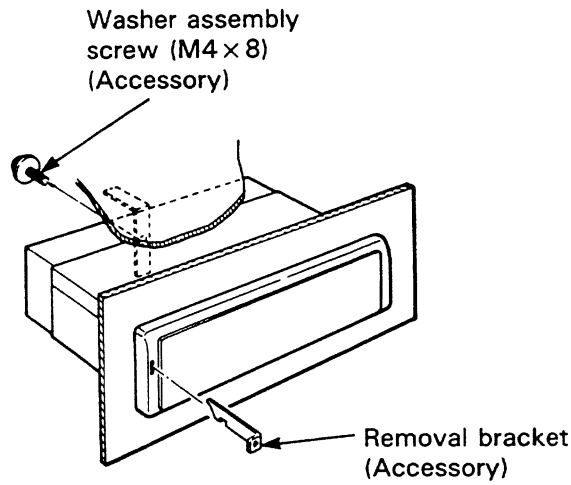
• When the space between the unit and Firewall is narrow:



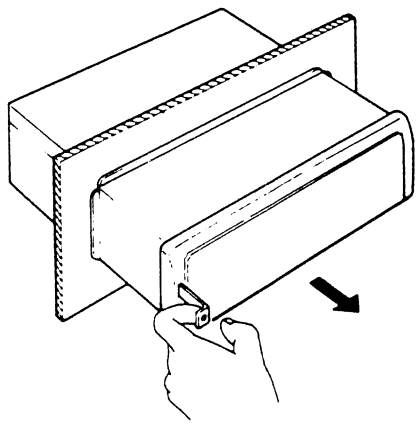
• When the space between the unit and Firewall is wide:

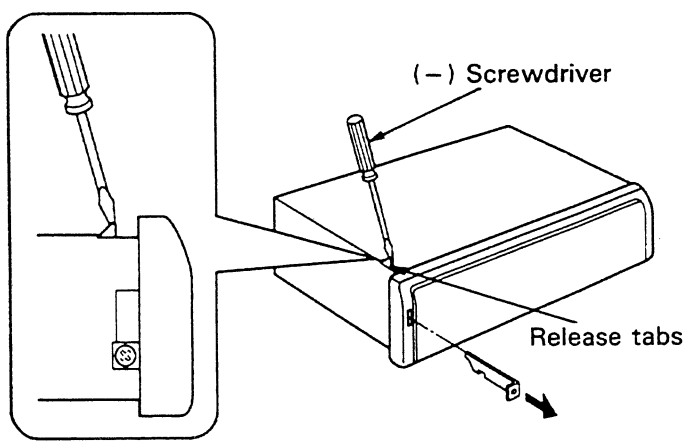


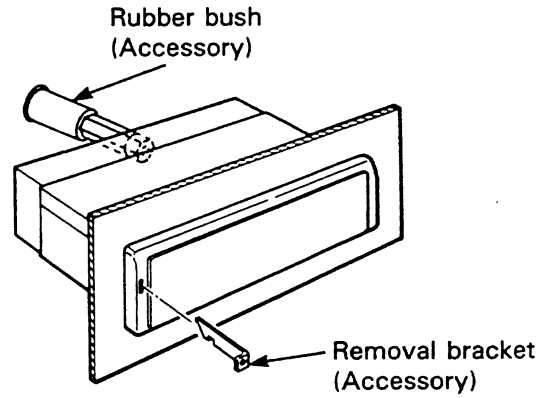
■ How to remove the unit



1. Remove the Washer assembly screw (M4 × 8) retaining the back panel of the unit.
   Then, insert removal bracket into the hole.







1. Insert removal bracket into the hole.

2. Pull out the removal bracket by hooking the fingers simultaneously.

3. To release the removal bracket, use a screwdriver to press down the release tabs on the side of the chassis and pull the removal brackets.

TROUBLESHOOTING GUIDE

What often appears to be a malfunction is often due to user error in operation or connection. When trouble occurs with your unit, please check the following before calling for service.

Symptom	Cause	Remedy
No sound one channel	The balance/fader control is extremely rotated to one side.	Adjust the balance/fader control.
Poor reception	The antenna is not extended.	Extend the antenna.
Tonal quality is inferior.	Head is stained.	Carry out head cleaning.
Tape creaks.		

■ When the KENWOOD CD-changer is connected: (KRC-854RD/854RL only)

Symptom	Cause	Remedy
CD play does not start.	The power button is not pressed to ON.	Press the power button to ON, then press the Source button to set to the CD changer mode.
The specified disc is not played and the next disc is played.	1. The specified disc is too dirty. 2. The disc is placed upside down. 3. Two discs are set in the same position. 4. The specified disc is placed in a position with a different number. 5. The disc is damaged or scratched seriously.	1. Clean the disc. 2. Eject the magazine and re-insert the disc correctly. 3. Eject the magazine and set each disc correctly. 4. Eject the magazine to check the disc number and the position number, then specify again. 5. Play other discs.
No sound is output while the changer indicator is shown.	1. Volume is set to the minimum level. 2. The incorporated microcomputer is not operating correctly. 3. System connections are made imperfectly (power cord, connection of pre-out jacks, or speaker connections, etc.).	1. Increase the volume level. 2. Press the Reset button of this unit. 3. Check the connections according to the instruction manual. If anything is wrong, reconnect it correctly.
Even when the required track is specified, the specified track is not played or the player does not function.	The player is set to RANDOM PLAY or MAGAZINE RANDOM PLAY.	Release RANDOM PLAY or MAGAZINE RANDOM PLAY.

Other than the previous, this unit displays various error indications to show the following messages.

E-01: No disc magazine in the changer, or the magazine is not set completely.
E-02: No discs in the disc magazine.
E-04: Disc is too dirty.
Condensation has occurred on the disc, or water drops are on the disc.
Disc is set upside down.
E-99: Operation incorrect due to something being defective.
Press the Reset button on this unit.
If the "E-99" indication does not disappear with this operation, consult your nearest KENWOOD Service Agent.
HOLD:
- When the temperature exceeds 60°C, the protection circuit is engaged to stop any operation. At this time, this indication will appear.
- Open a window or turn the air-conditioner ON to lower the temperature. After a while, this indication will go out.
- This indication also appears for several seconds when making connections, or when the Reset button is pressed.

* When no indicator appears in this unit and only illumination appears, the cable connector may nearly be disconnected.

SPECIFICATIONS

Specification subject to change without notice.

FM Tuner Section

Frequency Range	87.5 MHz ~ 108.0 MHz
Usable Sensitivity (DIN)	1.1 μV/75 ohms
Stereo Sensitivity (S/N = 46 dB)	1.6 μV/75 ohms
Frequency Response (±4.5 dB)	30 Hz ~ 15 kHz
Signal to Noise Ratio (IEC-A)	68 dB
Selectivity (DIN)	70 dB
Stereo Separation (1 kHz)	35 dB
19 kHz Carrier Leakage	65 dB

MW Tuner Section

Frequency Range	531 kHz ~ 1,611 kHz
Usable Sensitivity	30 μV

LW Tuner Section (KRC-854RL/654RL)

Frequency Range	153 kHz ~ 281 kHz
Usable Sensitivity	60 μV

Cassette Deck Section

Tape Speed	4.76 cm/sec.
Wow & Flutter (WRMS)	0.12% (WRMS)
Fast Winding Time (C-60)	100 sec
Frequency Response (120 μs)	30 Hz ~ 14 kHz (+4 dB, −6 dB)
(70 μs)	30 Hz ~ 16 kHz (+4 dB, −6 dB)
Stereo Separation (1 kHz)	40 dB
Signal to Noise Ratio (Dolby NR OFF)	54 dB
(Dolby B NR ON)	63 dB

Audio Section

Maximum Output Power	25 W × 4
Output Power (10% THD, 1 kHz, 4 Ω)	20 W × 4
(1% THD, 1 kHz, 4 Ω)	15 W × 4
Tone Action	Bass: 100 Hz ±10 dB
	Treble: 10 kHz ±10 dB
Preout Level/Impedance	800 mV (max.)/180 ohms

General

Operating Voltage	14.4 V (11 ~ 16 V allowable)
Current Consumption	0.8 A at Rated Power
Dimensions (W × H × D)	188 × 58 × 177 mm
Installation Size (W × H × D)	182 × 52 × 155 mm
Weight	1.4 kg